Rocks and Minerals Information 1984

Ontario

Ministry of Natural Resources

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Minister

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Deputy Minister

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Printed in Ontario, Canada

ISSN 0702-8164

"ROCKS AND MINERALS INFORMATION, 1984" was compiled by staff of the Ontario Geological Survey, Ministry of Natural Resources. Information is current to January 1984. This booklet is published with the permission of V.G. Milne, Director, Ontario Geological Survey.

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Geoscience Information Office
Ontario Geological Survey
Ministry of Natural Resources
8th Floor, 77 Grenville Street
Toronto, Ontario M5S 1B3

Publications and price lists of the Ontario Ministry of Natural Resources are available from the following sources.

Reports, maps, microfiche, and price lists (personal shopping or mail order):

Public Service Centre, Ministry of Natural Resources
Room 1640, Whitney Block, Queen's Park
Toronto, Ontario M7A 1W3

Reports and accompanying maps (personal shopping):

Ontario Government Bookstore
Main Floor, 880 Bay Street
Toronto, Ontario M7A 1W3

Reports and accompanying maps (mail order or telephone orders):

Publications Services Section, Ministry of Government Services
5th Floor, 880 Bay Street
Toronto, Ontario M7A 1N8
Telephone (local calls), 965-6015
Toll-free long distance, 1-800-268-7540
Toll-free from Area Code 807, 0-ZENITH-67200

Orders for publications should be accompanied by cheque or money order payable to the *Treasurer of Ontario*.

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How to Select Published Reports and Maps

Geological reports and maps can be quickly located by reference to indexes and index maps indicating the areas covered by such publications.

ONTARIO GEOLOGICAL SURVEY — INDEXES

ORDER FROM: ***Public Service Centre, Ontario Ministry of Natural Resources, Whitney Block, Queen's Park, Toronto, Ontario M7A 1W3.***

Please make remittance payable to: ***Treasurer of Ontario***

Payment must accompany order.

MICROFICHE*: copies of all Ontario Geological Survey reports from 1891 to present are available. Price $0.50 per title plus 7 per cent provincial sales tax.*

GENERAL INDEXES TO REPORTS, eight volumes in total. Volumes 1 to 7, $1.00 each. Volume 8, $6.00, available April, 1984
For a complete listing of all Ontario Geological Survey and Mineral Resources Branch reports see Miscellaneous Paper 77 and Supplements. Reports are referenced by author, township, district, and N.T.S. grid.

HOW TO FIND REPORTS AND MAPS — YOUR GUIDE TO MP 77, INDEX TO PUBLISHED REPORTS AND MAPS, MINERAL RESOURCES GROUP. Free

INDEX TO PUBLISHED REPORTS AND MAPS, 1891-1977, Miscellaneous Paper 77. Price $2.00
SUPPLEMENT TO MISCELLANEOUS PAPER 77, 1978-1980. Price $2.00
SUPPLEMENT TO MISCELLANEOUS PAPER 77, 1981-1983. Price $2.00

PUBLICATIONS PRICE LIST. Free

INDEXES TO MAPS. Free.
Index to Preliminary Maps, Geological Series
Index to Preliminary Maps Geochemical, Geophysical and Data Series
Index to Out of Print Published Maps, Geological Series
Index to Published Maps, Geological Series

INDEX TO AEROMAGNETIC MAPS OF ONTARIO, Map 2229. Free.

GEOLOGICAL SURVEY OF CANADA INDEXES

ORDER FROM: ***Publications Office, Geological Survey of Canada, 601 Booth Street, Ottawa, Ontario K1A 0E8.***

Please make remittance payable to: ***Receiver General of Canada.***

Faire parvenir à: La Commission géologique du Canada, 601, rue Booth, Ottawa, Canada, K1A 0E8. Toutes commandes doivent être accompagnées d'un chèque payable au Receveur général du Canada.

NOTE: Prices for publications of the Geological Survey of Canada are 20% higher than those listed, when ordered from outside Canada.

INDEX TO PUBLICATIONS/INDEX DES PUBLICATIONS (1981). Price $2.00

INDEX SHEETS outlining areas of geological studies in Ontario are available free of charge from the *Geological Survey of Canada* as follows.

Index Sheet 30,40	Lat.42°-46°N,	Long.75°-83°W.
Index Sheet 31	Lat.44°-48°N,	Long.72°-80°W.
Index Sheet 32	Lat.48°-52°N,	Long.72°-80°W.
Index Sheet 41	Lat.44°-48°N,	Long.80°-88°W.
Index Sheet 42	Lat.48°-52°N,	Long.80°-88°W.
Index Sheet 52	Lat.48°-52°N,	Long.88°-96°W.
Index Sheet 43	Lat.52°-56°N,	Long.80°-88°W.
Index Sheet 53	Lat.52°-56°N,	Long.88°-96°W.

Sources of Air Photographs and Topographic Maps

AIR PHOTOGRAPHS

Air Photographs are a very useful tool for prospecting. Photos may be used:

1. To locate yourself in the field.
2. To locate areas of outcrop.
3. To locate structural features such as faults, folds, and dikes.
4. To locate areas of glacial deposits.
5. To obtain an approximation of the rock types present.
6. To identify population densities and locate environmental hazards (i.e., oilslicks, forest fires, flood coverage, landslides, etc.)

ORDER FROM: ***Public Service Centre, Air Photo Unit, Ontario Ministry of Natural Resources, Whitney Block, Queen's Park, Toronto, Ontario M7A 1W3.***
This outlet sells air photos for Ontario only. Coverage is not available north of 53°N Latitude. Each photograph costs $2.20 + handling charge if mailed. Ontario residents should add 7 per cent provincial sales tax.

Air photos of any area in Canada and at various scales can be examined at, or

ORDER FROM: ***The National Air Photo Library, Department of Energy, Mines and Resources, 615 Booth Street, Ottawa, Ontario K1A 0E9.***

Air photos may be obtained from either of the above sources by identifying the area of photographic coverage required as to lot, concession, township, and district, or by sending in a map on which the area is clearly outlined. Indicate whether stereoscopic coverage is required. You will be advised of the cost before the photos are sent.
There is considerable overlap between adjacent photographs for stereoscopic coverage. If stereoscopic coverage is not required, the number of photos can be reduced by about 50%. However, stereoscopic coverage is useful, because, with the aid of a stereoscope, a three dimensional picture of the ground surface can be seen. Retailers sell pocket stereoscopes from $15.00 to $50.00.

TRANSPARENCIES OF MAPS

ORDER FROM: ***Canada Map Office, 615 Booth Street, Ottawa, Ontario K1A 0E9.***

Please make remittance payable to: ***Receiver General of Canada.***

Faire parvenir à: La Commission géologique du Canada, 601, rue Booth, Ottawa, Canada, K1A 0E8. Toutes commandes doivent être accompagnées d'un chèque payable au Receveur général du Canada.

A new product for class room use. Color transparencies may be ordered of any map distributed by the Canada Map Office. These transparencies have a 24 cm X 18 cm image ideally suited for use with an overhead projector. Cost is $13.50 for the first transparency, and $7.00 for each subsequent transparency of the same map. A $1.00 handling charge is applied to each order, regardless of the number of transparencies ordered.

TOPOGRAPHIC MAPS

ORDER FROM: ***Public Service Centre, Ontario Ministry of Natural Resources, Whitney Block, Queen's Park, Toronto, Ontario M7A 1W3.***

Please make remittance payable to: ***Treasurer of Ontario.***

Topographic maps are a prerequisite for any prospecting venture. "Topo" maps are available at the following scales:

1 inch to 8 miles (1:500 000)—coverage over all of Ontario
1 inch to 4 miles (1: 250 000)—coverage over all of Ontario
1 inch to 7/8 miles (1: 50 000)—coverage over much of Ontario
1 inch to 3/8 mile (1:25 000)—coverage for metropolitan areas

Each of the map sheets cost $3.00. Ontario residents please add 7 per cent provincial sales tax. Index maps for the above scales are free upon request.

In addition to the topographic maps listed above various other maps are available:
Provincial Territorial Series, scale 1:600 000, price $2.00 + tax for each of the six Northern Ontario map sheets and $3.00 + tax for the one southern Ontario Sheet.
Provincial Series, 1:126 720 and 1:100 000 scales, price $1.00 + tax each. Maps exist for Ontario between 46°N and 51°N.
Ontario Basic Mapping Series, 1:10 000 and 1:20 000 scales, price $2.00 + tax per sheet. These detailed maps are available for many areas of Ontario.

LANDSAT IMAGERY

A useful reference to LANDSAT imagery in Canada (scale of prints approximates 1 inch to 16 miles) is a listing of "best quality" satellite imagery available for $3.00 as LANDSAT IMAGES OF CANADA, GSC OPEN FILE 386.

ORDER FROM: ***Geological Survey of Canada, 601 Booth St., Ottawa K1A 0E8.***
Please make remittance payable to ***Receiver General of Canada.***

A 35 mm slide collection of selected LANDSAT scenes covering the landmass of Canada exists. These scenes give, as much as possible, a cloud and snow free picture of the country. For more information on ordering the slide collection write to: **National Air Photo Library, Department of Energy, Mines and Resources, 615 Booth Street, Ottawa, Ontario K1A 0E9.**

For more information on ordering:
LANDSAT IMAGERY,
LANDSAT DATA USER'S INFORMATION HANDBOOK,
DATA PRODUCTS CATALOGUE,
RESORS SLIDE COLLECTION
write to — **Canada Centre for Remote Sensing, 717 Belfast Road, Ottawa, Ontario K1A 0Y7.**

Ontario Government Maps

ORDER FROM: ***Public Service Centre, Ministry of Natural Resources, Whitney Block, Queen's Park, Toronto, Ontario M7A 1W3.***

Please make remittance payable to: ***Treasurer of Ontario.***

NOTE: All maps are subject to 7 per cent provincial sales tax. Sales tax applies to Ontario residents only.

ONTARIO GEOLOGY AND PRINCIPAL MINERALS, Map 2389 (All that glisters...) Scale about 1 inch to 67 miles. Free.

GEOLOGICAL HIGHWAY MAP, SOUTHERN ONTARIO, Map 2441, Scale 1:800 000. Out of print.

GEOLOGICAL HIGHWAY MAP, NORTHERN ONTARIO, Map 2440, Scale 1:1 600 000. Price $1.00 + tax.

QUATERNARY GEOLOGY OF TORONTO AND SURROUNDING AREA, Map P.2204, Scale 1:100 000. Price $1.00 + tax.

SUDBURY MINING AREA, Map 2170, Scale 1:63 360. Price $0.75 + tax.

SUDBURY-MANITOULIN AREA, Map 2360, Scale 1:126 720. Price $0.50 + tax.

BURWASH AREA, Map 2271, Scale 1:126 720. Price $0.50 + tax.

COBALT SILVER AREA, Scale 1:12 000.

NORTHERN SHEET, Map 2050. Price $0.50 + tax.

SOUTHWESTERN SHEET, Map 2051. Price $0.50 + tax.

SOUTHEASTERN SHEET, Map 2052. Price $0.50 + tax.

HEMLO AREA, Map 2452, Scale 1:31 680. Price $1.00 + tax.

BURNTBUSH-DETOUR LAKES AREA, Map 2453, Scale 1:100 000. Price $1.00 + tax.

TIMMINS AREA, Map 2455, Scale 1:50 000. Price $1.00 + tax.

NORTH BAY AREA, Map 2216, Scale 1:126 720. Price $0.50 + tax.

PARRY SOUND-HUNTSVILLE AREA, Map 2118, Scale 1:126 720. Price $0.50 + tax.

LEEDS COUNTY, Map 31c, Scale 1:126 720. Price $0.50 + tax.

MADOC AREA, Map 2053, Scale 1:126 720. Price $0.50 + tax.

GANANOQUE AREA, Map 2054, Scale 1:126 720. Price $0.50 + tax.

MINERAL DEPOSIT MAPS, Scale 1:1 013 760. Price $0.50 per sheet + tax.

Gold Deposits, Preliminary Maps. P.1226-P.1229 (4 sheets).

Iron Deposits, Preliminary Maps. P.1040-P.1044 (4 sheets).

Molybdenum Deposits, Preliminary Maps. P.1244-P.1247 (4 sheets).

Nickel Deposits, Preliminary Maps. P.1060-P.1064 (4 sheets).

Uranium and Thorium Deposits, Preliminary Maps. P.2425-P.2427 (4 sheets).

Vein Silver Deposits, Preliminary Maps. P.2298-P.2301 (4 sheets).

NORTHERN ONTARIO GEOLOGICAL COMPILATION MAPS: see page 4.

AEROMAGNETIC MAPS OF CARBONATITE-ALKALIC COMPLEXES, Map P.452. Price $0.50 + tax.

OIL AND GAS POOLS AND PIPELINES OF SOUTHWESTERN ONTARIO, 1982, Map P.2499. Price $1.50 + tax.

PHYSIOGRAPHY OF SOUTHERN ONTARIO (a set of 4 maps) Scale 1 inch to 4 miles. Price: $6.50 + tax.

PHYSIOGRAPHY OF GEORGIAN BAY-OTTAWA VALLEY AREA, Scale 1 inch to 4 miles. GR 128 (Report & map). Price $1.75.

NORTHERN ONTARIO SURFICIAL (PLEISTOCENE GEOLOGY) MAPS, Scale 1:506 880. Covering the area north of Lake Nipissing to Latitude 51°N.

KENORA AND RAINY RIVER, Map S-165. Price $2.00 + tax.

THUNDER BAY, Map S-265. Price $2.00 + tax.

ALGOMA-COCHRANE, Map S-365. Price $2.00 + tax.

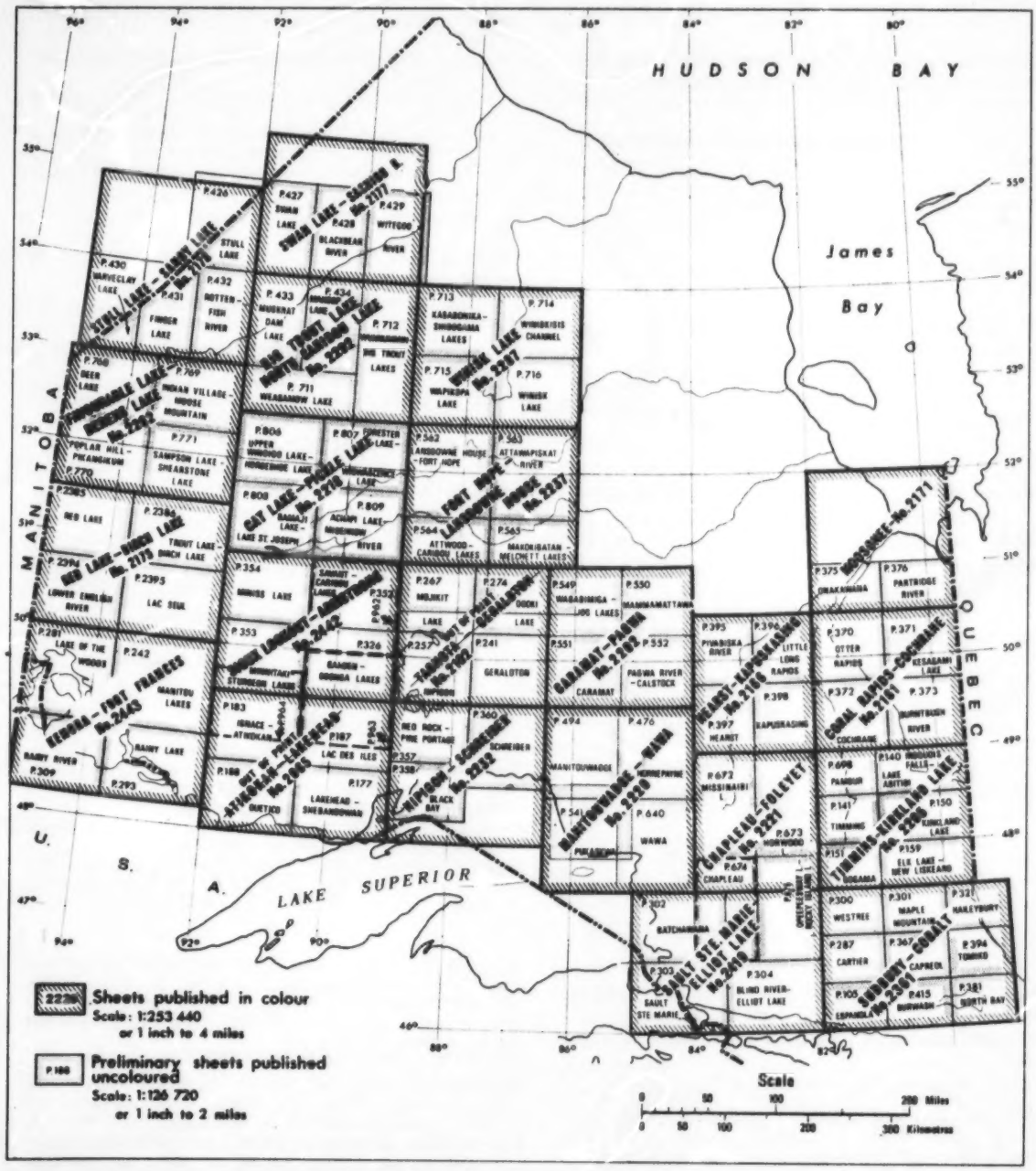
ALGOMA-SUDBURY-TIMISKAMING-NIPISSING, Map S-465. Price $2.00 + tax.

ENGINEERING AND TERRAIN GEOLOGY MAPS at 1:100 000 scale are available for Ontario between Latitude 45° and 51°N. These maps identify terrain features in terms of landform types, materials, general topography, and surface drainage conditions. Maps are $1.00 each (plus sales tax). **Available from: Public Service Centre, Ministry of Natural Resource, Whitney Block, Queen's Park, Toronto, Ontario M7A 1W3.**
A free index map is available from: Engineering and Terrain Geology Section, Ontario Geological Survey, Ministry of Natural Resources, 77 Grenville Street, 7th Floor, Toronto, Ontario, M5S 1B3.

SOIL MAPS are available from: **Ministry of Agriculture and Food, Information Branch, 801 Bay Street, 12th Floor, Toronto, Ontario M7A 2B2.** Soil maps are either available or are being prepared for most of the agricultural areas of Ontario at 1:63 360 and 1:126 720 scales.

MINING CLAIM MAPS by geographic township or area, identify crown land open for staking and patented land. These black and white maps may be examined at or purchased **FROM:** ***Titles Section, Land Management Branch, Ontario Ministry of Natural Resources, Whitney Block, 6th Floor, 99 Wellesley Street West, Queen's Park, Toronto, Ontario M7A 1W3.*** Maps are $0.50 + tax.

ONTARIO GEOLOGICAL SURVEY — GEOLOGICAL COMPILATION SERIES FOR NORTHERN ONTARIO


HUDSON BAY
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U. S. A.
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STEEL LAKE – SAWBILL LAKE No. 2175
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P.188 Preliminary sheets published uncoloured
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or 1 inch to 2 miles
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0 50 100 200 300 Kilometres

ORDER FROM: ***Public Service Centre, Ontario Ministry of Natural Resources, Whitney Block, Queen's Park, Toronto, Ontario M7A 1W3.***
Please make remittance payable to: ***Treasurer of Ontario.***

Note: Colored maps are $0.75 each except for Maps 2419, 2442 and 2443 which are $1.00 each. Preliminary maps are $0.50 each. Ontario residents should add 7 per cent provincial sales tax.

Selected Maps of the Geological Survey of Canada

ORDER FROM: ***Publications Office, Geological Survey of Canada, 601 Booth Street, Ottawa, Ontario K1A 0E8.***

Please make remittance payable to: ***Receiver General of Canada***.

Note: Ontario residents add 7 per cent provincial sales tax.

Faire parvenir à: La Commission géologique du Canada, 601, rue Booth, Ottawa, Canada, K1A 0E8. Toutes commandes doivent être accompagnées d'un chèque payable au Receveur général du Canada.

PHYSIOGRAPHIC REGIONS OF CANADA, Map 1254A, Scale 1:5 000 000. Price $3.50.

PHYSIOGRAPHY MAP OF EASTERN CANADA, (a set of 4 maps) Map 1399A, Scale 1:2 000 000. Price $10.00.

GEOMORPHOLOGY OF BLACKBURN AREA, ONTARIO-QUEBEC, Map 1264A, Scale 1:25 000. Price $1.50.
A map showing glacial and post-glacial landform development.

GEOLOGICAL MAP OF CANADA, Map 1250A, Scale 1:5 000 000. Price $3.50.

GEOLOGY OF EASTERN CANADA AND ADJACENT AREAS, (a set of 4 maps), Map 1401 A, Scale 1:2 000 000. Price $10.00.

GEOLOGY SOUTHERN ONTARIO-QUEBEC, Map 1335A, Scale 1:1 000 000. Price $5.00.

GEOLOGY RIVIÈRE GATINEAU, QUEBEC-ONTARIO, Map 1334A, Scale 1:1 000 000. Price $5.00.

GEOLOGY OF OTTAWA-CORNWALL AREA, Map 852A, Scale 1:253 440. Price $2.50.

GEOLOGY OF BRUCE PENINSULA AREA, Map 1194A, Scale 1:253 440. Price $2.50.

GEOLOGY OF LAKE SIMCOE AREA, Map 1228A, Scale 1:253 440. Price $2.50.

GEOLOGY OF TORONTO-WINDSOR AREA, Map 1263A, Scale 1:250 000. Price $2.50.

TECTONIC MAP OF CANADA, MAP 1251A, Scale 1:5 000 000. Price $3.50.

BASEMENT STRUCTURE, EASTERN CANADA AND ADJACENT AREAS, (a set of 4 maps), Map 1400A, Scale 1:2 000 000. Price $10.00.

METAMORPHIC MAP OF THE CANADIAN SHIELD, Map 1475A, Scale 1:3 500 000. Price $2.50.

MAGNETIC ANOMALY MAP OF CANADA, Map 1255A, Scale 1:5 000 000. Price $3.50.

ISOTOPIC AGE MAP OF CANADA, Map 1256A, Scale 1:5 000 000. Price $3.50.

GLACIAL MAP OF CANADA, Map 1253A, Scale 1:5 000 000. Price $3.50.

RETREAT OF WISCONSIN ICE IN CANADA, Map 1257A, Scale 1:5 000 000. Price $3.50.

PRINCIPAL MINERAL AREAS OF CANADA, Map 900A, (revised yearly), Scale 1:7 603 200 or 1 inch to 120 miles, (published in English and French). One copy free of charge to residents of Canada. Extra copies: $3.50.

MINERAL DEPOSITS OF CANADA, Map 1252A, Scale 1:5 000 000. Price $3.50.

BERYLLIUM IN CANADA, Map 1218A, Scale 1:7 603 200 or 1 inch to 120 miles. Price $3.50.

IRON IN CANADA, Map 1187A, Scale 1:7 603 200 or 1 inch to 120 miles. Price $3.50.

LITHIUM IN CANADA, Map 1207A, Scale 1:7 603 200 or 1 inch to 120 miles. Price $3.50.

MOLYBDENUM DEPOSITS IN CANADA, Map 12-1982, Scale 1:5 000 000. Price $5.00.

NICKEL IN CANADA, Map 1258A, Scale 1:5 000 000. Price $3.50.

NIOBIUM AND TANTALUM IN CANADA, Map 1354A, Scale 1:5 000 000. Price $3.50.

SILVER IN CANADA, Map 1233A, Scale 1:7 603 200 or 1 inch to 120 miles. Price $3.50.

TIN IN CANADA, Map 1352A, Scale 1:5 000 000. Price $3.50.

TITANIUM IN CANADA, Map 1243A, Scale 1:7 603 200 or 1 inch to 120 miles. Price $3.50.

TUNGSTEN IN CANADA, Map 1556A, Scale 1:5 000 000. Price $3.50.

VANADIUM IN CANADA, Map 1321A, Scale 1:5 000 000. Price $3.50.

General Publications of Interest by the Ontario Geological Survey

ORDER FROM: ***Public Service Centre, Ontario Ministry of Natural Resources, Whitney Block, Queen's Park, Toronto, Ontario M7A 1W3.***

Please make remittance payable to: ***Treasurer of Ontario.***

THE ONTARIO GEOLOGICAL SURVEY, Miscellaneous Paper 81. Price $0.50.
An account of the role of the Ontario Geological Survey including its objectives.

ROCKS AND MINERALS OF ONTARIO (Revised 1972), by D.F. Hewitt and E.B. Freeman, Geological Circular 13. Price $2.00.
This revised edition, well illustrated with 70 photographs, 25 figures. and 7 tables describes the properties, occurrences, and Ontario localities of 74 common minerals; the major types and classes of rocks as well as geological structures. A summary of Ontario's geology is presented, and a description given of the major economic mineral deposits of Ontario with information on their occurrence, production, history and geological features.

GEOLOGY AND SCENERY, RAINY LAKE EAST TO LAKE SUPERIOR, 1968, by E.G. Pye, Geological Guide Book No. 1. Price $2.00.
Geological history, scenery, and rocks along Highway 11 between Fort Frances and Thunder Bay.

GEOLOGY AND SCENERY, NORTH SHORE OF LAKE SUPERIOR, 1969, by E.G. Pye, Geological Guide Book No. 2. Price $2.00.
Geological history, scenery, and rocks from Thunder Bay to Sault Ste. Marie along Highways 61 and 17.

GEOLOGY AND SCENERY, PETERBOROUGH, BANCROFT AND MADOC AREAS, 1969, by D.F. Hewitt, Geological Guide Book No. 3. Out of print.
Geological history, scenery, and rocks in the Peterborough, Bancroft, Barry's Bay, and Madoc areas.

GEOLOGY AND SCENERY, NORTH SHORE OF LAKE HURON REGION, 1972, by J.A. Robertson and K.D. Card, Geological Guide Book No. 4. Price $2.00.
Geological history, scenery, and rocks from the vicinity of Sudbury to Sault Ste. Marie along Highway 17; with side trips to Manitoulin Island and north along Highways 108, 639, and 129.

AMETHYST DEPOSITS OF ONTARIO, 1976, by M.A. Vos, Geological Guide Book No. 5. Price $2.00.
An account of amethyst, describing its properties, lore, uses as a gemstone and decorative material, and a guide to the occurrence and geological history of amethyst deposits in Ontario.

GEOLOGY AND SCENERY, KILLARNEY PROVINCIAL PARK AREA, 1982, by R.L. Debicki, Geological Guide Book No. 6, Price $4.00.
Geological history, scenery and rocks along Highway 637 and Killarney Provincial Park area.

GEOLOGY AND FOSSILS, CRAIGLEITH AREA, ONTARIO, 1979, by H.M. Verma, Geological Guide Book No. 7, Price $0.75.
A guide to the history, geology and fossils in the Craigleith area.

A GEOLOGICAL GUIDE TO CYPRUS LAKE PROVINCIAL PARK, 1974, by S.J. Gibson, a miscellaneous publication. Price $0.10.
Introduction to the geological processes of Cyprus Lake Park and southwestern Ontario.

SAULT STE. MARIE'S GEOLOGICAL PAST, AN INTRODUCTION, 1981, by E.J. Leahy, W.L. Holland, a miscellaneous publication. Free.

TORONTO'S GEOLOGICAL PAST, AN INTRODUCTION, 1976, by E.B. Freeman, a miscellaneous publication. Free.

STRATIGRAPHY AND PALEONTOLOGY OF TORONTO & VICINITY, PART 3, GASTROPODA, CEPHALOPODA & VERMS, 1923, by W.A. Parks *et al.*, Annual Report, Vol.31, Part 9. Price $2.00.

THE STRATIGRAPHY & PALEONTOLOGY OF TORONTO & VICINITY, 1923, by M.A. Fritz *et al.*, Annual Report, Vol. 32, Part 7. Price $2.00.

A CATALOGUE OF THE ONTARIO LOCALITIES REPRESENTED BY THE MINERAL COLLECTION OF THE ROYAL ONTARIO MUSEUM, 1977, by J. Satterly, Miscellaneous Paper 70. Price $5.00.

GEOLOGICAL NOTES FOR MAPS Nos. 2053 and 2054, MADOC-GANANOQUE AREA, 1964, by D.F. Hewitt, Geological Circular No. 12. Price $1.75.

NON-METALLIC MINERAL RESOURCES OF HASTINGS COUNTY, 1930, by F.F. Osborne, Annual Report, Vol. 39, Part 6, Price $1.00.

PALEOZOIC GEOLOGY OF SOUTHERN ONTARIO, 1972, by D.F. Hewitt, Geological Report 105. Price $1.25.

DIAMOND, USSR & NORTH AMERICA, TARGET FOR EXPLORATION IN ONTARIO, 1971, by J. Satterly, Miscellaneous Paper 48. Price $0.50.

MINERAL EXPLORATION TOPICS, 1973, by S.A. Ferguson *et al.*, Miscellaneous Paper 55. Price $1.00.

ROCKS TO RICHES, 1982, Miscellaneous Paper 102. Price $5.00.

A GUIDE TO PROSPECTING BY THE SELF-POTENTIAL METHOD, 1982, by S.V. Burr, Miscellaneous Paper 99. Price $2.00

REPORT OF ACTIVITIES REGIONAL AND RESIDENT GEOLOGISTS 1983, Miscellaneous Paper 117. (Available March 1984).

SUMMARY OF GEOCHRONOLOGY STUDIES, 1977-1979, edited by E.G. Pye, Miscellaneous Paper 92. Price $2.00.

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ARIP's are being prepared for municipalities designated under the Pits and Quarries Control Act, 1971. The papers, $2.00 each, include an assessment of sand, gravel and crushed stone. A free index map to ARIP's is available from: Engineering and Terrain Geology Section, Ontario Geological Survey, Ministry of Natural Resources, 77 Grenville St. 7th Floor, Toronto, Ontario M5S 1B3.

INDUSTRIAL MINERALS

INDUSTRIAL MINERALS OF ONTARIO, 1982, by D.G. Minnes. Industrial Mineral Background Paper 2. Free.

INDUSTRIAL MINERALS OF ONTARIO, Map P.2591, Scale 1:1 500 000. Price $1.00 + tax.

19th FORUM OF THE GEOLOGY OF INDUSTRIAL MINERALS, PROCEEDINGS 1983, edited by S.E. Yundt. Miscellaneous Paper 114. Price $2.00.

19th FORUM ON THE GEOLOGY OF INDUSTRIAL MINERALS, GUIDE BOOK FOR FIELD TRIPS, 1983, edited by S.E. Yundt. Miscellaneous Paper 111. Price $2.00.

Ministry of Natural Resources — Mineral Resources Publications

ORDER FROM: ***Public Service Centre, Ministry of Natural Resources, Whitney Block, Queen's Park, Toronto, Ontario M7A 1W3.***

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VCS 2. 1982 ONTARIO MINERAL SCORE - A COMPUTER ANALYSIS OF THE MINERAL INDUSTRY OF ONTARIO. Price $10.00.

VCS 3. 1983 ONTARIO MINERAL SCORE. Available March 1984.

Department of Energy, Mines and Resources, Canada

MINERAL RESOURCES REPORTS

ORDER FROM: ***Publication Distribution Office, Mineral Policy Sector, Department of Energy, Mines and Resources, Sir William Logan Bldg., 580 Booth Street, Ottawa, Ontario K1A 0E4.***

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MR 191. CANADIAN RESERVES OF COPPER, NICKEL, LEAD, ZINC, MOLYBDENUM, SILVER AND GOLD, January 1, 1981, Mineral Bulletin 191. Price $3.00 (Bilingual).

MR 193. PHOSPHATE ROCK: AN IMPORTED MINERAL COMMODITY, 1983, Mineral Bulletin 193. Price $3.50.

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ANNUAL REVIEWS OF THE CANADIAN MINERAL INDUSTRY (1982)

A complete set of individual reviews (in English or French) may be ordered from, **Canadian Government Publishing Centre, Supply and Services, Ottawa, Ontario, K1A 0S9**. The complete set costs $65.00, and individual reviews are $1.25 each.
The bound Yearbook (1980) may be purchased for $33.95.

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Potash

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Sodium Sulphate
Stone
Sulphur

Talc, Soapstone and Pyrophylite
Tin
Titanium and Titanium Dioxide
Tungsten

Uranium

Vanadium

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General Review
Regional Review
Statistical Report
Canadian Reserves of Selected Mineral Commodities

Government Brochures/Films

GEOLOGY, MINERALS AND ENERGY

Ontario Ministry of Natural Resources, Public Service Centre, Whitney Block, Queen's Park, Toronto, Ontario M7A 1W3. Available free of charge.

MINFACTS, a periodic newsletter.

ALL THAT GLISTERS... Map 2389, geological map of Ontario.

BANCROFT AREA MINERALS, a rockhound brochure.

SAULT STE. MARIE'S GEOLOGICAL PAST, introductory brochure.

TORONTO'S GEOLOGICAL PAST, introductory brochure.

ONTARIO INDUSTRIAL MINERALS, Industrial Mineral Background Paper 2, booklet.

THE ONTARIO MINING INDUSTRY PRESENT AND FUTURE, A DISCUSSION PAPER, Occasional Paper 2, booklet.

THE DECLINE OF SMALL MINERAL ENTERPRISES IN ONTARIO, Occasional Paper 5, booklet.

THE ONTARIO ZINC INDUSTRY ON A GLOBAL SCENE AND VARIOUS GOVERNMENT POLICIES, Occasional Paper 6, booklet.

COLLECTING ONTARIO'S AMETHYST, brochure.

MAKING THE MOST OF OUR MINERALS, booklet.

EASY ACCESS TO GEOSCIENCE DATA, brochure.

MINES LIBRARY/ASSESSMENT FILES RESEARCH OFFICE, brochure.

GEOSCIENCE LABORATORIES-List of Services, brochure.

WHEN TIME IS OLD, booklet.

Energy, Mines and Resources Canada, Distribution Office, Communication Branch, 580 Booth Street, Ottawa, Ontario, K1A 0E4. Available free of charge.
Toutes les publications sont aussi disponibles en français.

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Geological Survey of Canada, Publications Office, 601 Booth Street, Ottawa, Ontario, K1A 0E8. Available free of charge.

GEOLOGY OF CANADA, brochure (English or French).

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GEOLOGY OF THE NATIONAL CAPITAL REGION, brochure (bilingual).

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Earth Physics Branch, Publications, Department of Energy, Mines and Resources, 1 Observatory Crescent, Ottawa, Ontario, K1A 0Y3. Available free of charge.

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Ontario Ministry of Environment, Communications Branch, 135 St. Clair Avenue West, Toronto, Ontario M4V 1P5.

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Further environmental and technical information is available to teachers from the Education Resources Co-ordinator, at the above address.

Ontario Ministry of Natural Resources, Communications Services Branch, Audio-Visual and Films Section, Whitney Block, 5th Floor, Queen's Park, Toronto, Ontario M7A 1W3.

16 mm colour, sound movies are available for loan.

Royal Ontario Museum, Publication Services, 100 Queen's Park, Toronto, Ontario M5S 2C6

THE GREAT LAKES, 1979, by W.M. Tovell. Price $2.25.

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THE NIAGARA RIVER, 1979, by W.M. Tovell. Price $2.00.

AN INTRODUCTION TO ONTARIO FOSSILS, 1979, by Janet Waddington. Price $2.25.

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GUIDE TO THE DINOSAUR GALLERY FOR TEACHERS AND PARENTS, 1977, by Education Services, ROM. Price $1.00.

Niagara Escarpment Commission, 232 Guelph Street, Georgetown, Ontario L7G 4B1.

THE FINAL PROPOSED PLAN FOR THE NIAGARA ESCARPMENT, June 1, 1983, study.

QUESTA, annual magazine.

THE GIANT'S RIB, a 16 mm colour, sound movie, available for loan from the Film Library, Ministry of Agriculture and Food, University of Guelph, Guelph, Ontario, N1G 2W1.

National Water Research Institute, Canada Centre for Inland Waters, P.O. Box 5050, Burlington, Ontario L7R 4A6.

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MINING - WHAT MINING MEANS TO CANADA, brochure. (English or French).

THE MODERN MINER, brochure. (English or French).

The Ontario Mining Association, 199 Bay Street, Toronto, Ontario M5J 1L4.

MINING IN ONTARIO, brochure.

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Further information on specific aspects of the mineral industry is available on request.

The Prospectors and Developers Association, Suite 219, 159 Bay Street, Toronto, Ontario M5J 1J7.

Information on the annual convention is available on request.

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PDA RECORDER, bi-monthly newsletter.

THE DISCOVERS, 317 page book on the history of PDA, some famous prospectors and their discoveries. Price $21.50.

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Canadian Geoscience Council, Dept. of Earth Sciences University of Waterloo, Waterloo, Ontario N2L 3G1

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The Canadian Institute of Mining & Metallurgy, 400 - 1130 Sherbrooke Street West, Montreal, Quebec H3A 2M8.

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Canadian Copper and Brass Development Association, Suite 1612, 55 York Street, Toronto, Ontario M5J 1R7. Attention: Mr. R. Wardell.

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The Adams Mine, P.O. Box 877, Kirkland Lake, Ontario P2N 3K7. Attention: Mr. L.K. Oliver.

THE ADAMS MINE, brochure.

Algoma Ore Division, McLeod Mine, Wawa, Ontario P0S 1K0.

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Iron Ore Company of Canada, 100 Retty Street, Sept-Iles, Quebec G4R 4L5. Attention: Public Affairs Director.

IRON ORE BROCHURE, Bilingual.

Sherman Mine, P.O. Box 217, Temagami, Ontario P0H 2H0. Attention: M.W. Nihill, Personnel Manager.

SHERMAN MINE BROCHURE.

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Falconbridge Limited, Public Affairs Office, Box 40, Commerce Court West, Toronto, Ontario M5L 1B4.

FALCONBRIDGE — 50TH ANNIVERSARY BOOKLET.

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INCO Limited, P.O. Box 44, First Canadian Place, Toronto, Ontario M5X 1C4. Attention: Communications Department.

INCO DISCOVERY, brochure.

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A GUIDE TO INCO,brochure.

ORE SAMPLE PACK

Other information, brochures and films on nickel and mining is available on request.

URANIUM

Canadian Nuclear Association, 111 Elizabeth Street, 11th Floor, Toronto, Ontario M5G 1P7.

NUCLEAR POWER IN CANADA, QUESTIONS AND ANSWERS, booklet, (English or French). Price $4.50.

Further information on specific aspects of nuclear energy is available upon request.

Atomic Energy of Canada Limited, Research Company, Mr. H.W. Tracey, Public Affairs Officer, Chalk River, Ontario K0J 1J0.

NUCLEAR ENERGY IN CANADA: THE CANDU SYSTEM, brochure. (English or French).

WELCOME TO THE PUBLIC INFORMATION CENTRE, brochure. (English or French).

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NUCLEAR FUEL WASTE, brochure. (English or French).

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CNRL: A FLEXIBLE RESOURCE, brochure. (English or French).

A teacher's kit and/or specialized publications on Canadian Nuclear Plants are available on request.

Denison Mines Limited, Suite 3900, South Tower, Royal Bank Plaza, Box 40, Toronto, Ontario M5J 2K2. Attention: Corporate Affairs.

URANIUM, THE ENERGY MINERAL, brochure.

Technical information is available to teachers and senior students upon request.

Eldorado Resources Limited, 255 Albert Street, Suite 400, Ottawa, Ontario K1P 6A9.

URANIUM AND ELECTRICITY, brochure.

REFINING AND CONVERTING URANIUM TO NUCLEAR FUELS, brochure.

Specific information on uranium mining, refining, and their environmental impact is available on request to teachers and senior students.

Rio Algom Limited, 120 Adelaide Street West, Toronto, Ontario M5H 1W5. Attention: Library.

FLOW DIAGRAM, URANIUM FROM ORE TO ELECTRICITY, brochure.

QUICK FACTS ABOUT URANIUM ORE, brochure.

Ontario Hydro, Public Relations H19 E9, 700 University Avenue, Toronto, Ontario M5G 1X6.

General information on the use of uranium in nuclear power plants is available on request.

ZINC AND LEAD

See also COPPER AND ZINC.

Cominco Ltd., Public Relations and Advertising Department, 200 Granville Street, Vancouver, British Columbia V6C 2R2.

COMINCO, ORIGINS AND OUTLOOK, brochure.

COMINCO, SON HISTOIRE, brochure.

THE RED DOG PROJECT, brochure.

ZINC/LEAD MINING AT PINE POINT N.W.T., brochure.

MINING FOR TOMORROW, color movie (16 mm), available for loan on request.

THE POLARIS MINE, brochure or color movie (16 mm), available for loan on request.

ORBIT, THE COMINCO QUARTERLY, newsletter.

Lead Industries Association, Incorporated, 292 Madison Avenue, New York, New York, 10017 Attention: Mr. R. Assadi.

M-1, LEAD MAGAZINE.

J-24, MODERN USES OF LEAD IN THE INDUSTRIAL AND ARCHITECTURAL CONSTRUCTION INDUSTRY.

Cominco Ltd., Public Relations, Trail, B.C., V1R 4L8.

SULLIVAN MINE, brochure.

MINE TO MARKET, TRAIL OPERATIONS, brochure.

COMINCO AT TRAIL, brochure.

FROM THE GROUND UP, KIMBERLEY OPERATIONS, brochure.

Cyprus Anvil Mining Corporation, 330-335 Burrard Street, Vancouver, British Columbia V6C 2G8. Attention: Lyn Pickering, Office Manager.

BIRTH OF A GIANT, brochure.

ANVIL, brochure.

A NEW WORLD IN THE YUKON (story of the Anvil Mine), 16 mm color, sound movie.

ZINC INSTITUTE INCORPORATED, 292 Madison Avenue, New York, New York, 10017. Attention: Mr. R. Assadi

AZ-35, Zinc Magazine.

Brochures and Films — Industrial Commodities

AGGREGATE

See listing top of page 11 also.

Aggregate Producers Association of Ontario, Suite 209, 3701 Chesswood Drive, Downsview, Ontario M3J 2P6. Attention: Mr. R.P. Cook.

INTERFACE — HELPING PEOPLE TO BETTER UNDERSTAND THE AGGREGATE INDUSTRY, quarterly publication.

THE SENSIBLE SEQUENCE, color movie (16 mm), available for loan on request.

Information on the rehabilitation of aggregate properties is available on request.

Nelson Aggregate Co.,, P.O. Box 1037, Station B, Burlington, Ontario L7P 3S9. Attention: Mr. R.G. Goodchild.

Group tours to observe the rehabilitation, production, and geological aspects of the quarry may be arranged upon request for senior secondary school or adult groups.

ASBESTOS

J.M. Asbestos Inc., Asbestos, Quebec J1T 3N2. Attention: Mr. George Olney.

THE JEFFREY MINE OF JOHNS-MANVILLE AND ITS GEOLOGY, brochure, (English or French).

ENVIRONMENT-ENVIRONMENTAL CONTROL IN THE ASBESTOS INDUSTRY OF QUEBEC, brochure, (English or French).

ASBESTOS, THE INDISPENSABLE MINERAL, 16 mm movie, available for loan on request (English or French).

*Cassiar Resources–Division of Brinco Mining Ltd.,*Suite 2000, Guinness Tower, 1055 West Hastings Street, Vancouver, British Columbia V6E 3V3. Attention: B.G. Pewsey, Vice President, Operations.

Technical information available to teachers and senior students upon request.

COAL

The Coal Association of Canada, Suite 301, 1000 8th Avenue, S.W., Calgary, Alberta, P2P 0M7.

COAL IN CANADA, brochure.

COAL, ANNUAL REVIEW/DIRECTORY, brochure.

FOCUS, monthly newsletter.

PROCEEDINGS OF THE 35th CANADIAN COAL CONFERENCE, booklet.

Fording Coal Limited, Public Relations, 200-205 Ninth Ave. S.E., Calgary, Alberta T2G 0R4.

FORDING COAL TRANSPORTATION SYSTEM, brochure.

1983 ANNUAL REVIEW.

FORDING RIVER MINE, brochure.

CONSIDER FORDING COAL, brochure.

MEET FORDING, brochure.

COAL FOR STEEL AND ENERGY, brochure.

FORDING COAL CORPORATE HISTORY, brochure.

Ontario Hydro, Public Relations H19 E9, 700 University Avenue, Toronto, Ontario M5G 1X6

Information is available on coal as a fuel for thermal generating stations.

DIAMOND

Diamond Information Centre, 102 Bloor St., West, Toronto, Ontario M5S 1M9. Attention: Miss Norma Meneguzzi.

The following are available to teachers, senior students, and adults only.

THE ART OF DIAMONDS, brochure.

EVERYTHING YOU'D LOVE TO KNOW, brochure, (English or French).

The following 16 mm movies are available for loan on request.

MAGIC OF DIAMONDS, film, (English or French).

DIAMONDS, MIRACLE OF NATURE, film.

VERY SPECIAL STONE, film.

FLUORITE (FLUORSPAR)

Noranda Mines Limited, P.O. Box 45, Commerce Court West, Toronto, Ontario M5L 1B6 Attention: Public Relations Department.

LAS CUEVAS, brochure, (English or Spanish).

GYPSUM

Domtar Construction Materials, 3380 Airway Drive, Malton, Ontario L4V 1N7. Attention: Marketing Department.

General information available on request.

NEPHELINE SYENITE AND SILICA

Indusmin Limited, 365 Bloor Street East, Suite 200, Toronto, Ontario M4W 3L4.

INDUSMIN CORPORATE BROCHURE, (English or French).

Specific specialized information and technical data is available to teachers and senior students.

PETROLEUM AND NATURAL GAS

Petroleum Association for Conservation of the Canadian Environment, 1202-275 Slater Street, Ottawa, Ontario K1P 5H9.

ENVIRONMENTAL PROTECTION AND THE PETROLEUM INDUSTRY, brochure, (English or French).

Technical information, video tapes and films available to teachers and senior students upon request.

Gulf Canada Limited, Public Affairs Department, 130 Adelaide Street West, Toronto, Ontario M5H 3R6.

EDUCATIONAL BOOKLETS FROM GULF CANADA. More than 15 items are available on the petroleum industry, environmental protection, energy, the syncrude project, heavy oil and the operations of Gulf Canada.

Imperial Oil Limited, External Affairs Associate, 1 Duncan Mill Road, Don Mills, Ontario M3B 1Z2. Attention: Jane Huston.

THE REVIEW, quarterly newsletter.

ANNUAL REPORT.

FILM CATALOGUE.

Suncor Inc., Resources Group, Oil Sands Division, Sunlife Place, 10123-99th St., Edmonton, Alberta T5J 3H1

Oil Sands information available upon request.

The Canadian Gas Association, Fred H. Ellins, Manager Public Relations, 55 Scarsdale Road, Don Mills, Ontario M3B 2R3.

MEETING THE ENERGY CHALLENGE, video tape and booklet, available on loan.

THE TURNING POINT, story of the natural gas industry in Canada, 26 minute, 16 mm color, sound movie, available on loan.

NATURAL GAS STORY, a four-part kit available from offices of Consumers Gas Co., Union Gas Ltd., and Northern and Central Gas Corporation, for teachers and senior secondary students.

PORTLAND CEMENT

Canada Cement Lafarge Limited, 240 Duncan Mill Road, Don Mills, Ontario M3B 3H4.

CANADA CEMENT LAFARGE STORY, (describes manufacture of cement, applications of concrete, and history of the company), brochure.

DESIGN AND CONTROL OF CONCRETE MIXTURES, brochure, (teachers only).

Canada Cement Lafarge Ltd., 606 Cathcart St., Suite 740, Montreal, Quebec, H3B 1L7. Attention: Mr. Ian R. Poole.

SPECIFY AND USE CIMENT FONDU, brochure (teachers only, English or French)

EARLY STRENGTH IN CONCRETE, brochure (teachers only, English or French).

GUIDE TO USE OF "CEMENT-LAFARGE" MASONRY CEMENT, brochure (teachers only, English or French).

KALICRETE CEMENT FOR DURABLE CONCRETE IN ALKALI SOILS, brochure (teachers only).

NORMAL PORTLAND CEMENT–No. 1 IN CANADA, brochure.

Lake Ontario Cement Limited, Suite 1612, 2 Carlton Street, Toronto, Ontario M5B 1J6. Attention: Mr. R.G. Lavery.

Specific inquiries concerning the cement industry will gladly be answered.

POTASH

Noranda Mines Limited, P.O. Box 45, Commerce Court West, Toronto, Ontario M5L 1B6. Attention: Public Relations Department.

CENTRAL CANADA POTASH CO. LIMITED, brochure.

Cominco Ltd., Public Relations Department, 200 Granville Street, Vancouver, British Columbia V6C 2R2.

COMINCO'S POTASH OPERATIONS, brochure.

SALT

Domtar Chemicals Group, Sifto Salt Division, 1136 Matheson Blvd., Mississauga, Ontario L4Y 3W6.

L'UNIVERS MERVEILLEUX DU SEL, brochure.

OUR WORLD OF SALT, brochure.

SALT MINING IN GODERICH, brochure.

SAND AND GRAVEL

See AGGREGATE.

WATER

See ENVIRONMENT.

Ontario Mineral and Lapidary Dealers

This list has been compiled primarily from information supplied by the Geological Survey of Canada, Ottawa. The numbers indicate the type of material supplied by the dealers. Specialization (see list below) is indicated by a number in bold type or additional remarks.

1. Rough mineral and/or rock specimens.
2. Mineral and/or rock sets.
3. Minerals and/or rocks suitable for lapidary work.
4. Lapidary equipment and supplies.
5. Tools for the prospector or collector (eg., picks, chisels, streak plates, hand lenses).
6. Catalogues or price lists.
7. Jewellery.

ONTARIO DEALERS ASSOCIATION
c/o W.D. Christianson
200 Napier Street
BARRIE, L4M 1W8

Rainbow Rocks & Minerals, R.R.#4 - Highway 18, AMHERSTBURG N9V 2V9
(1) (2) (3) (4)

Pinerock, R.R. 1, BALDERSON.
(1) (3) peresterite

Winnie's Treasure Shop, P.O. Box 1555, 26 Hastings Street N., BANCROFT K0L 1C0.
(1) (2) (3) (4) (5) (6) (7) mineral and rock collecting guides

Princess Sodalite Mine, Highway 500 East, P.O. Box 84, BANCROFT K0L 1C0.
(1) (2) (3) (4) (5) (6) sodalite

Hesselmann's Rock Shop, Junction Highways 28 and 121, P.O. Box 245, BANCROFT K0L 1C0.
(1) (2) (3) (4) (5) summers only

Ye Olde Rock Shop, c/o Parkwood Beach Limited, R.R. No. 3 Bicroft Road, BANCROFT K0L 1C0.
(1) (3) mineral collecting guide, minerals, rough and polished

L.I. Cowan Mineral Company, 72 Morrow Road, BARRIE L4N 3V8.
(1) (2) (3) (4) (5) (6) rock and mineral sets for schools

W.D. Christianson Minerals, 200 Napier Street, BARRIE L4M 1W8.
(1) (5) (6) locality information, micromount supplies

A & A Rock Shop, 95 Ontario Street, BRIGHTON K0K 1H0.
(1) (2) **(3)** (4) (7)

The Rock Centre, R.R. No. 4, Airport Road, BROCKVILLE K0V 5T4.
(1) (2) (3) (4) (7)

Heldon Rock Shop, 185 Plains Road, East, BURLINGTON L7T 2C4.
(1) (3) (4) (5) (7) handwrought jewellery

Gemstones of Canada, Box 99, 49½ Front Street North, CAMPBELLFORD K0L 1L0.
(6) (7)

The Opal Showcase, P.O. Box 149, CASSELMAN K0A 1M0
(1) (3)

Silverland Gem and Mineral Shop, P.O. Box 474, COBALT P0J 1C0.
(1) (2) (3) (4) (5) (6)

Lloyd A. Walford, P.O. Box 233, 99 Dow Drive, COPPER CLIFF P0M 1N0.
(1) **(2)**

O'Connor Gemcraft, Box 69, CUMBERLAND K0A 1S0.
(1) (3) custom silversmithing and lapidary

Kingsbrook Gemcraft, R.R. No. 2, DORCHESTER N0L 1G0.
(1) (2) (3) (4) (6)

Grand Gem Rock Shop, R.R. No. 5, No. 3 Hwy. W., DUNNVILLE N1A 2W4.
(1) (3) (4) (7) soapstone carvings

Hawthorneden, R.R. No. 1, ELDORADO K0K 1Y0.
(1) (3) (5) locality information

D.G. Hunter & Son, Old Brock Rd., P.O. 154, FREELTON L0R 1K0.
(3) (4) (7) jewellery and lapidary instruction

Libra Gems, 51 St. David Street, GODERICH N7A 1L4.
(1) (3) (6) (7)

Maral Rocks and Gems, 588 Upper James Street, HAMILTON L9C 2Y4.
(1) (3) (4) (5) (7)

Toth's Fossils and Minerals, R.R. 5, INGERSOLL N5C 1V2.
(1) (3) (4) (6) (7) fossils

Ontario Crafts & Minerals, General Delivery, INVERARY K0H 1X0
(1) (3) (7)

Canadian Gems and Minerals, Drawer 730, KIRKLAND LAKE P2N 3K2.
(1) (3) (5)

Rock of Ages, 10489B Islington Avenue, KLEINBURG L0G 1C0
(1) (2) (3) (4)

Gems 'n' Stones of Canada, Tri-Way Plaza, Highway 2, near Hwy. 135, LONDON.
(1) (2) (3) (4) (5) (6) (7) fossils

Huronia Gemcraft, 12 Kenwood Crescent, LONDON N5Y 3W7.
(3) (6) handcrafted jewellery

Locke's Lapidary, 1650 Hillside Drive, LONDON N6G 2P9.
(3) (7)

Denis Thorn, Lapidary and Silversmith, 493 Dundas Street, LONDON N6B 1W4.
(3) (4) (5) (7) metalsmiths and jewellers tools, supplies

Marwell Gems & Minerals, P.O. Box 4156, Station C, LONDON N5W 5H6
(3)

Exploration Enterprises, 840 Lynden Road, P.O. Box 35, LYNDEN L0R 1T0.
(1) (3) (4) (5) (6) (7) wholesale and retail

Wallace G. Fowler, P.O. Box 834, NEW LISKEARD P0J 1P0.
(1) (3) (6)

Stillwater Tent-Trailer Park and Exotic Amethyst Rock Shop, R.R. 1, NIPIGON.
(1) (3) (7)

Simkev Minerals, 942 Chevrolet St., OSHAWA L1G 4H8
(1) (2) (7)

Bernhard H. Behne, 1204 Park Place, 1025 Richmond Road, OTTAWA K2B 8G8
(3) (6) (9)

Ovgem Limited, 236 Nepean Street, OTTAWA K2P 0B8.
(3) (4) (5) (6) (7) Canadian-made mountings for cabochons and tumbled stones

Upper Canada Minerals, 150 Metcalfe Street, OTTAWA K2P 1P1.
(1) (2) (7)

McDougall's Rock Shop, R.R.#6, OWEN SOUND N4K 5N8
(1) (4)

Nick Dzuba, R.R. No. 1, West Loon Road, PASS LAKE.
amethyst, agate, display rocks

Hauser's Lapidary, 690 Goderich Street, PORT ELGIN N0H 2C0.
(1) (3) (4) (5) polished stones

Wal-Gem Lapidary, QUADEVILLE K0J 2G0.
(1) (3) (4) rose quartz, rare earth minerals from privately owned mines

Courtney's Marina and Gift Shop, RICHARDS LANDING, (St. Joseph Island) P0R 1J0.
(3) (7) jasper conglomerate

Rocks and Minerals of Canada, 58 Grapeview Drive, ST. CATHARINES L2S 2W6.
(1) (2) (3) (4) (5) (6) geoscience supplies for teachers of the earth sciences

The Rock Shop, on Highway 17 North, SAULT STE. MARIE P6A 5L2.
(1) (2) (3) (4) (5) amethyst, agate, green quartzite

Village Rock Shop, Highway 59 & Highways 7 & 8, SHAKESPEARE N0B 2P9
(1) (2) (7)

The Prospector, c/o Barry Clarkson, SHALLOW LAKE N0H 2K0.
(1) (4) (5)

Garretts Minerals Registered, 14 Leeds Street, SMITH FALLS K7A 2M5.
(1) (2) (3) (4) mineral specimens

Patrick Sales, P.O. Box 44, STIRLING, K0K 3E0
(1) (2) (3) (6) (7)

Cambrian Gemcraft, 990 Beverly Drive, SUDBURY P3E 4B5.
(3) (4) (5) (6) mountings for jewellery, mail orders

Rock Heritage, City Centre, 200 Elm St. East, SUDBURY, P3C 5N3.
(1) (6) (7)

Castagne's Rocks and Minerals, Box 594, THUNDER BAY P7B 5G1. Shops at 420 Victoria Ave. E. and on Highway 17 East.
(1) (2) (3) (4) (5) (6) amethyst specimens and jewellery, local specimens

E. Schwendinger Mining and Minerals, P.O. Box 2194, Postal Station P, THUNDER BAY P7B 5E8.
(7) wholesale amethyst, agate, and jade jewellery

Thunder Bay Amethyst Mining Panorama, Box 26, THUNDER BAY P7C 4V5. (Summer only) East Loon Road, Highway 17 East.
(1) (3) (7) local amethyst, guided field trips

Ontario Gem Company, Mine sales (summer only) Dorian Amethyst Mine Road, Highway 17 East, THUNDER BAY P7B 4Y6.
(1) (2) (3) (6) local amethyst, galena, chalcopyrite.

Don-Art Crafts, 556 Dawson Street, THUNDER BAY P7A 3W5. Shop located at 500 North May Street.
(1) (3) (4) (5) (6) (7) wholesale and retail.

Ontario March of Dimes Ability Centre, 429 Spruce Street South, TIMMINS P4N 2N6.
(1) (2) (3) (6) (7)

Ri-Jan Gems and Minerals, Box 29, R.R. 1, WHITBY N4S 7W5.
(1) (2) (3) (4) (5) (7) jewellery

Treasure World, 1645 Dundas St., W., WHITBY L1N 5R4.
(5) metal detectors

Wilberforce Rock Shop, (Div. Rockhound Rendezvous Inc.) Hwy. 648, P.O. Box 648, WILBERFORCE K0L 3C0.
(1) (2) (3) (4) (5) (6) (7)

Dwyer Mine Rock Shop, Mumford Road, P.O. Box 154, WILBERFORCE, K0L 3C0.
(1) (3) (5)

Time Tunnel, 558 Goyeau Street, WINDSOR N9A 1H3.
(1) (2) (3) (4) (5) (6) (7) Fossil specimens

For TORONTO dealers, See next page.

DEALERS IN TORONTO AND VICINITY

Canadian Treasure Trail, 22 Riverside Drive, P.O. Box 22, Camden East, K0K 1J0
(5) metal detectors

Geli Gems Ltd., First Canadian Place, Toronto M5X 1C8.
(1) (2) (7)

The Science Shop Limited, 730 Yonge Street, Toronto M4Y 2B7.
(1) (2) (4) (5) books, chemicals for assay

Hobby Craft Gems and Jewellery, 1882 Weston Road, Toronto M9N 1V9.
(1) (2) (3) (4) (5) (7)

Langridge-Marshall (Division of Northern Miner Press Ltd.),
7 Labatt Ave., Toronto M5A 3P2.
(2) (5) (6) mineral collecting, prospecting, and identification supplies

Jay's Minerals '77, 3 Mark Street, Toronto M5A 1Z3.
(1) (3) (6) (7)

Sculptors Stones, 49 Sunnydene Crescent, Toronto M4N 3J5.
by appointment only, carving tools, soapstone, serpentine, marble

Fashion Gem Imports, 229 Yonge St., Box 141, Toronto M6B 3Z9.
(3) (4) (6) (7)

Tasco Optics Limited, 81 Portland Street, Toronto M5V 2M9.
microscopes

International Crystals and Minerals, 49 Overton Crescent, Don Mills M3B 2V4.
(3) (6) (7) crystal specimens

Efstonscience Inc., 3350 Dufferin Street, Toronto M6A 3A4
(5) (6) metal detectors

Donald Goodger, 30 Evermede Dr., Don Mills M3A 2S3.
(3) (4) (5) (7) by appointment only

Arbor Scientific Limited, 1840 Mattawa Ave., Mississauga L4X 1K1.
(1) (2) (3) (4) (5) (6) Ward's school and science supplies for schools and educational institutions only.

The Amulet, 1541 Kingston Road, Scarborough M1N 1R9.
(6) (7) jewellery mountings, solderless gold wire classes

The Grotto, 2528 Eglinton Avenue East, Scarborough M1K 2R5.
(1) (3) (4) (5) (6) (7) lapidary classes

Buried Treasure, 3274 Danforth Avenue, Scarborough M1L 1C3.
(5) metal detectors

Earth's Treasures Company, 84 Woodward Ave., Thornhill L3T 1E7.
(1) (3) (7)

KPD Lapidary Supplies, 41 Maple Avenue No. 3, Thornhill L3T 3S9
(1) (3) (4) (6)

Midester Gems, 411 Calderstone Crescent, West Hill M1C 3A3.
(1) (3) (4) (5) (6) (7) native silver specimens

The Nautilus Arts and Crafts, 6075 Kingston Road, West Hill M1C 1L5.
(1) (2) (3) (4) (5) (6) (7) jewellery mountings

R.T. Boyd Limited, P.O. Box 458, Station A, Willowdale M2N 5T1.
(7)

Opal Imports, Suite 406, 125 Parkway Forest Drive, Willowdale M2J 1L9.
(1) (3) (6) (7)

J.B.A. Company, 10 Duke Rd., BRAMALEA L6T 3K1
(1) (3)

Geoscience Clubs In Ontario

The Central Canadian Federation of Mineralogical Societies
c/o Mrs. Rita Blair
287 Davisville Ave.
TORONTO M4S 1H1

CCFMS Member Clubs

Bancroft Gem and Mineral Club
P.O. Box 1749
BANCROFT K0L 1C0

Barrie Gem and Mineralogical Society
P.O. Box 143
BARRIE L4M 4S9

Brampton Rock and Mineral Club
P.O. Box 155
BRAMPTON L6V 2L1

Brantford Lapidary & Mineral Society
P.O. Box 503
BRANTFORD N3T 5P6

Canadian Micro-Mineral Association
Dr. Robert Fisher
17 Gavin Drive
ST. CATHARINES L2M 2X8

Englehart & District Rock Craft Association
Box 613
ENGLEHART P0J 1H0

Essex County Gem and Mineral Club
c/o M. Baruth
1701 Windermere Ave.
WINDSOR N8Y 3E5

Gemini Gem & Mineral Club of Burlington
P.O. Box 4223
Postal Station "D"
HAMILTON, L8V 4L6

Hamilton Geological Society, McMaster University
P.O. Box 7001
Postal Station E
LONDON N5Y 4J9

Huntsville Lapidary Club
R.R. 2, Box 222
HUNTSVILLE P0A 1K0

K-W Gem and Mineral Club
P.O. Box 841
KITCHENER N2G 4C5

London Gem and Mineral Society
P.O. Box 7001, Station E
LONDON N5Y 4J9

Niagara Peninsula Geological Society
P.O. Box 876
ST. CATHARINES L2R 6Z4

Nipissing Lapidary and Mineral Club
P.O. Box 311
NORTH BAY P1B 8H2

Oshawa Rock and Mineral Club
P.O. Box 53
OSHAWA L1H 7K8

Ottawa Lapsmith Club
P.O. Box 5133, Station F
OTTAWA K2C 3J1

Ottawa Valley Mineral Association
Box 3372, Station C
OTTAWA K1Y 4J6

Oxford County Geological Society
c/o R. Holme
R.R. 3
TILLSONBURG N4G 4G8

Parks Paleontological Society
c/o Ms. Hilda Finnigan
700 Kingston Road
Apt. 601
TORONTO M4E 1R4

Port Credit Mineral and Gem Club
P.O. Box 433, Port Credit Postal Station
MISSISSAUGA L5G 4M1

Sarnia Rock and Fossil Club
c/o V. Evans
341 S. Russell Street
SARNIA N7T 3M3

Scenic City Gem and Mineral Society
P.O. Box 998
OWEN SOUND N4K 5W9

Gem and Mineral Club of Scarborough
P.O. Box 85, Station A
SCARBOROUGH M1K 5B9

Stratford Rockhounders Club
P.O. Box 361
STRATFORD N5A 6T3

Thunder Bay Lapidary Society Inc.
Box 372, Station F
THUNDER BAY P7C 4V9

Walker Mineralogical Club
Royal Ontario Museum
100 Queen's Park
TORONTO M5S 2C6

Wallaceburg Rock and Mineral Society
c/o Kristina Lee
65 Phair Avenue
WALLACEBURG N8A 2M4

Willowdale Gem and Mineral Club
P.O. Box 93 - Station A
WILLOWDALE M2N 5S7

Windsor Mineralogical Society
P.O. Box 1522
WINDSOR N9A 6R5

Other Clubs

Brockville Lapidary and Mineral Club
Jack Hodgson
R.R. 4
BROCKVILLE K6V 5T4

Canadian Gemmological Association
P.O. Box 1106, Station Q
TORONTO M4T 2P2
Diploma course in gemology offered.

The Kingston Lapidary & Mineral Club
P.O. Box 1123
KINGSTON K7G 4Y5

Oxford County Gem. & Mineral Soc.
61 Clark Street North
WOODSTOCK N4S 7M4

Quinte Gem and Mineral Club
P.O. Box 433
BELLEVILLE K8N 5A5

Earth Science Periodicals

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FALLS CHURCH, Virginia 22041
U.S.A.
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LAWRENCE, Kansas 66044
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Membership $20.00

MINERALOGY

CANADIAN MINERALOGIST, Journal
Mineralogical Association of Canada
Dept. of Mineralogy and Geology
Royal Ontario Museum, 100 Queen's Park
TORONTO, Ontario M5S 2C6

BOOKSTORES

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Ministry of Natural Resources — Geological Field Offices

REGIONAL MINERAL RESOURCES CO-ORDINATORS' OFFICES

			TELEPHONE
Northwestern Region	– R.C. Beard	808 Robertson St.,Box 5160, Kenora P9N 3X9	(807) 468-3111
North Central Region	– K.G. Fenwick	435 James St. S., Thunder Bay P7C 5G6	(807) 475-1331
Northern Region	– W.O. Mackasey	60 Wilson Ave., Timmins P4N 2S7	(705) 267-1401
Northeastern Region	– P.E. Giblin	10th fl., 199 Larch St., Sudbury P3E 5P9	(705) 675-4128
Algonquin Region	– W.J. Logan	Brendale Sq., Box 9000, Huntsville P0A 1K0	(705) 789-9611
Eastern Region	– T.W. Fletcher	Concession Road, Kemptville K0G 1J0	(613) 258-3413
Central Region	– L.G.D. Thompson	10670 Yonge St., Richmond Hill L4C 3C9	(416) 884-9203
Southwestern Region	– P.A. Palonen	1106 Dearness Drive, London N6E 1N9	(519) 681-5350

REGIONAL/RESIDENT GEOLOGISTS' OFFICES

Kenora	– C.E. Blackburn	808 Robertson St., Box 5160, Kenora P9N 3X9	(807) 468-3111
Red Lake	– M.E. Durocher	Ont. Govt. Bldg. , Box 860, Red Lake P0V 2M0	(807) 727-2252
Sioux Lookout	– D.A. Janes	Court House Bldg., Sioux Lookout P0V 2T0	(807) 737-1291
Thunder Bay	– G.C. Patterson	435 James St. S., Thunder Bay P7C 5G6	(807) 475-1331
Timmins	– L.E. Luhta	60 Wilson Av., Timmins P4N 2S7	(705) 267-1401
Kirkland Lake	– H.L. Lovell	4 Government Rd. E., Kirkland Lake P2N 1A2	(705) 567-5242
Sudbury	– P.E. Giblin	10th fl., 199 Larch St., Sudbury P3E 5P9	(705) 675-4128
Sault Ste. Marie	– G.A. Bennett	875 Queen St. E., Sault Ste. Marie P6A 2B3	(705) 949-1231
Cobalt	– L. Owsiacki	Box 230 Presley St., Cobalt P0S 1C0	(705) 679-8558
Huntsville	– D. J. Villard	Brendale Sq., Box 9000, Huntsville P0A 1K0	(705) 789-9611
Bancroft	– H.D. Meyn	Hwy. 28, Box 500, Bancroft K0L 1C0	(613) 332-3940
Tweed	– P.W.Kingston	255 Metcalf St., Box 70, Tweed K0K 3J0	(613) 478-2330
Richmond Hill	– M. Narain	10670 Yonge St., Richmond Hill L4C 3C9	(416) 884-9203
London	– James Lau	458 Central Av., London N6B 2E5	(519) 433-8431